

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE REPLACEMENT OF QUEUE DETECTORS ON THE HOLY FAMILY SCHOOL EXIT ROAD TO PRE-EMPTY THE EXISTING TRAFFIC SIGNALS AT MD 26 AND PIKESWOOD DRIVE AND MD 26 AND TIVERTON ROAD IN BALTIMORE COUNTY. THIS MODIFICATION ALSO INCLUDES THE REPLACEMENT OF CONDUIT/HANDHOLES DUE TO A ROAD WIDENING PROJECT.

INTERSECTION OPERATION

THE TRAFFIC SIGNALS AT PIKESWOOD DRIVE AND TIVERTON ROAD WILL OPERATE NORMALLY UNLESS EITHER DELAY OUTPUT QUEUE DETECTOR ON THE HOLY FAMILY SCHOOL EXIT IS ACTUATED. A PRE-EMPTION CALL WILL FORCE A CHANGE TO OR EXTENSION OF THE LEFT-TURN PHASES AT PIKESWOOD DRIVE AND THE SOUTHBOUND SIGNAL PHASE AT TIVERTON ROAD.

- 2 THE REVISION INVOLVES THE RECONSTRUCTION/RELOCATION OF AN EXISTING HAZARD IDENTIFICATION BEACON ALONG MD 26, WEST OF LIVE OAK ROAD. THE SIGNAL HEADS SHALL OPERATE IN AN ALTERNATING YELLOW FLASH. THE RELOCATION OF THE H.I.B. MUST TAKE PLACE ON A WEEKEND WITH THE RELOCATED H.I.B. OPERATIONAL BY MONDAY MORNING. THE EXISTING INTERCONNECT CABLE SHALL BE CUT AND PULLED BACK AND INSTALLED INTO THE RELOCATED H.I.B.. A NEW COMMUNICATION CABLE SHALL BE PROVIDED FROM H.I.B. TO H.I.B..

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. DAVE MALKOWSKI
DISTRICT ENGINEER
PHONE: (410) 321-3461

MR. JOSEPH MCMAHON
DISTRICT UTILITIES ENGINEER
PHONE: (410) 321-3456

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-3514

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. RUSS YUREK
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-3468

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-12

STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)

STANDARD NO. MD-104.49-01 (SHOULDER WORK)

STANDARD NO. MD-104.44-01 (LEFT-LANE CLOSURE)

STANDARD NO. MD-104.45-01 (RIGHT-LANE CLOSURE)

STANDARD NO. MD-104.46-01 (CENTER LANE CLOSURE)

STANDARD NO. MD-104.35-01 (LANE SHIFT)

STANDARD NO. MD-104.33-02 (SHOULDER WORK)

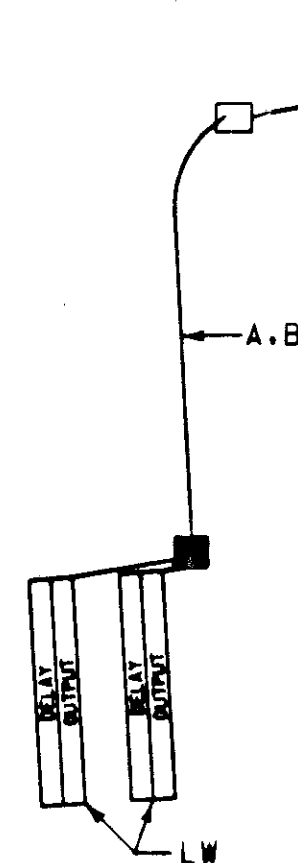
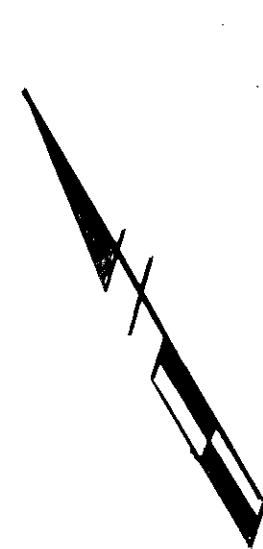
STANDARD NO. MD-104.32-02 (INTERSECTION FLAGGING OPERATION)

EQUIPMENT LIST "A"

2 A. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

2 B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
2 862102	250 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
2 805160	20 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
2 870104	340	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED (BENDS ARE INCLUSIVE)
2 811001	3	FURNISH AND INSTALL ELECTRICAL HANDHOLE
2 862101	920 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
2 810011	2 EACH	F/I LOOP DETECTOR SPLICED TO EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED)
2 800000	LUMP SUM	RELOCATION OF SIGNAL STRUCTURE AND EQUIPMENT AND REMOVAL OF FOUNDATION 12" BELOW GRADE.
2 801004	3 CU. YD.	F/I CONCRETE FOR SIGNAL FOUNDATION.
2 807205	1 EACH	F/I CONTROL AND DISTRIBUTION EQUIPMENT.
2 802501	30 L.F.	F/I NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE.
2 821003	1 EACH	F/I BREAKAWAY BASE SUPPORT SYSTEM.
2 837001	1 EACH	F/I GROUND ROD (3/4" DIA. x 10' LENGTH).
2 861102	20 L.F.	F/I ELECTRICAL CABLE-3 WIRE (NO. 8 A.W.G.).
2 861106	50 L.F.	F/I ELECTRICAL CABLE-3 CONDUCTOR (NO. 14 A.W.G.).
2 801312	1 EACH	F/I REMOVAL OF ELECTRICAL SERVICE.
2 822001	1600 L.F.	F/I 12-PAIR COMMUNICATION CABLE SELF SUPPORTING (OVERHEAD).
2 805023	50 L.F.	F/I 2" PVC RISER
2 800000	1 EACH	F/I 2" WEATHERHEAD
2 800000	1600 L.F.	CUT AND PULL BACK EXISTING COMMUNICATION CABLE AND INSTALL CABLE INTO THE RELOCATED H.I.B.



2 WIRING KEY

A } PULL BACK EXISTING 2-CONDUCTOR ELECTRICAL CABLE AND RE-FEED TO HANDHOLE.
B } LW - LOOP WIRE (NO. 14 A.W.G.)

2 C } 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

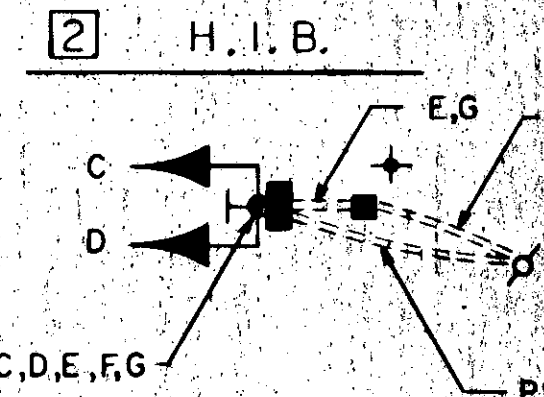
2 E - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

2 F - 3 WIRE ELECTRICAL CABLE (NO. 8 A.W.G.)

2 + - GROUND ROD

2 PS - PROPOSED UNDERGROUND ELECTRICAL SERVICE BY BGE.

2 G - 12-PAIR COMMUNICATION CABLE



WIRING DIAGRAM

REVISIONS	APPROVALS	REVISIONS
		#1 REDLINE REVISION JANUARY 28, 1999
	ASSISTANT DIVISION CHIEF	2 REDLINE REVISION
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 26 AND HOLY FAMILY SCHOOL

DATE: 12-15-97

SCALE: NONE

APPROVED BY:

DRAWN BY: S. BLOSS

DESIGNED BY: N. LEARY

CHECKED BY: T. HANNAN

F.A.P. NO.

S.H.A. NO.

COUNTY

PLAN
SHEET NO. 3764A

128 OF 16
SHEET NO.

2 OF 2